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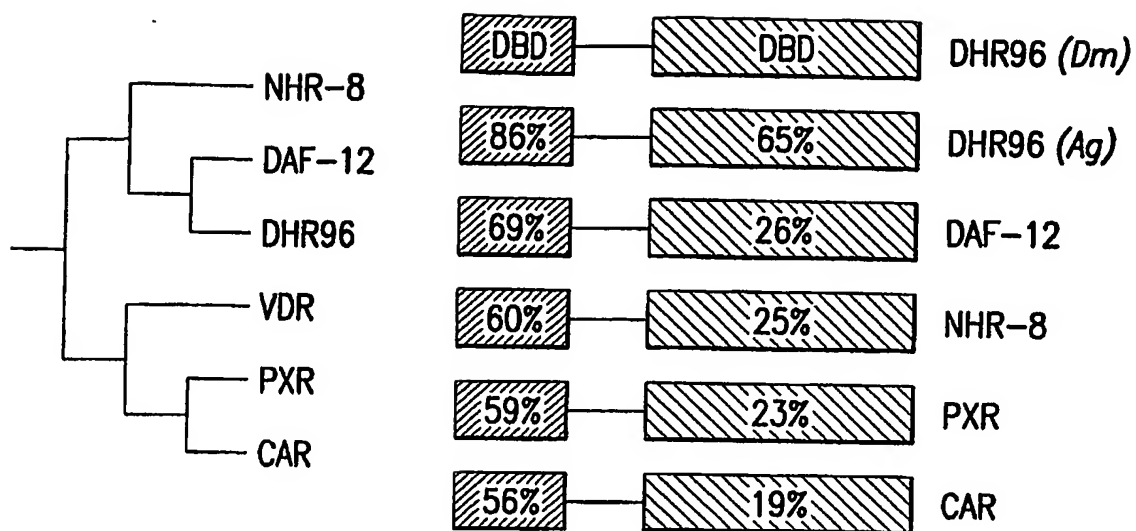


FIG. 1A

FIG. 1B

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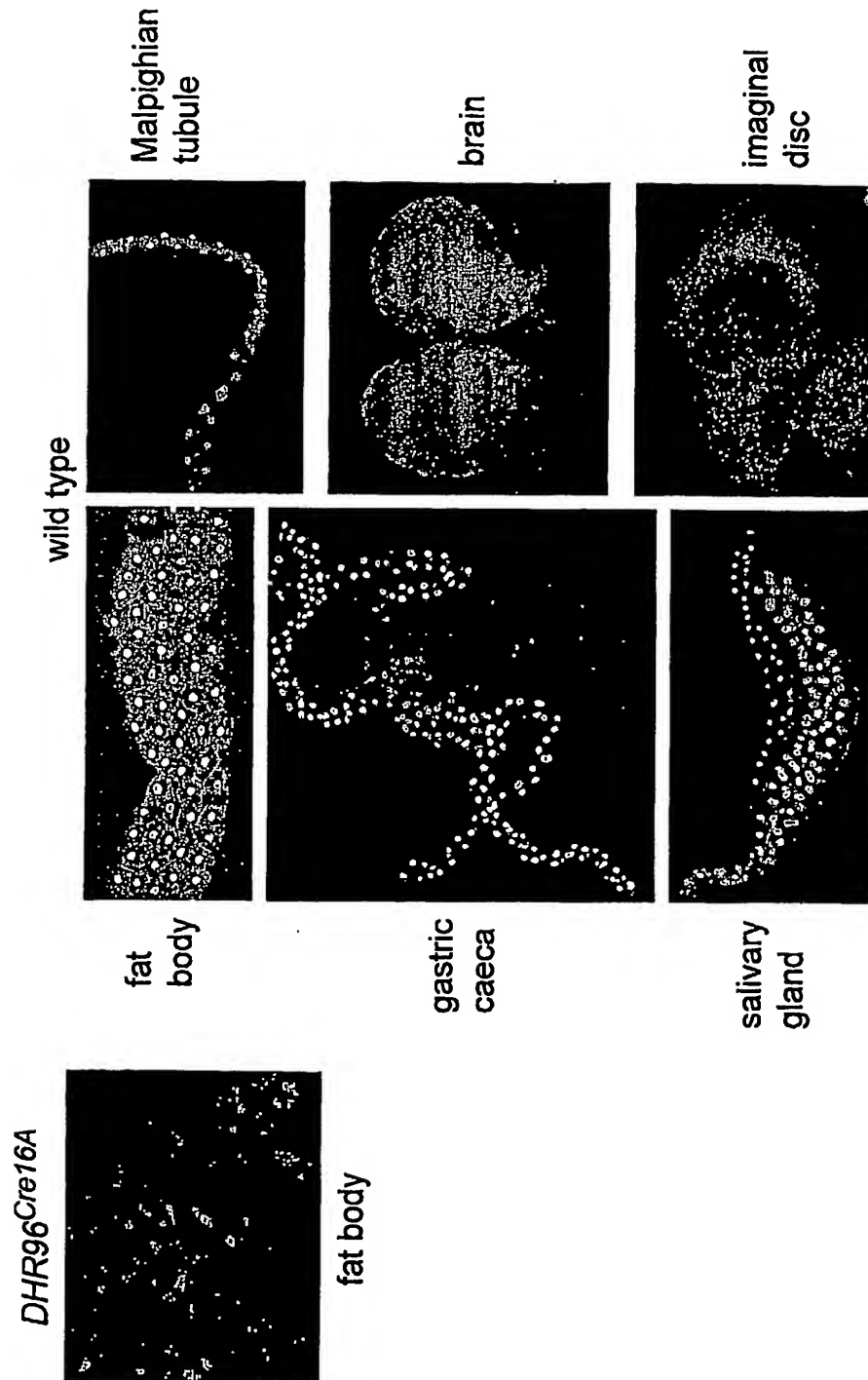


FIG.2

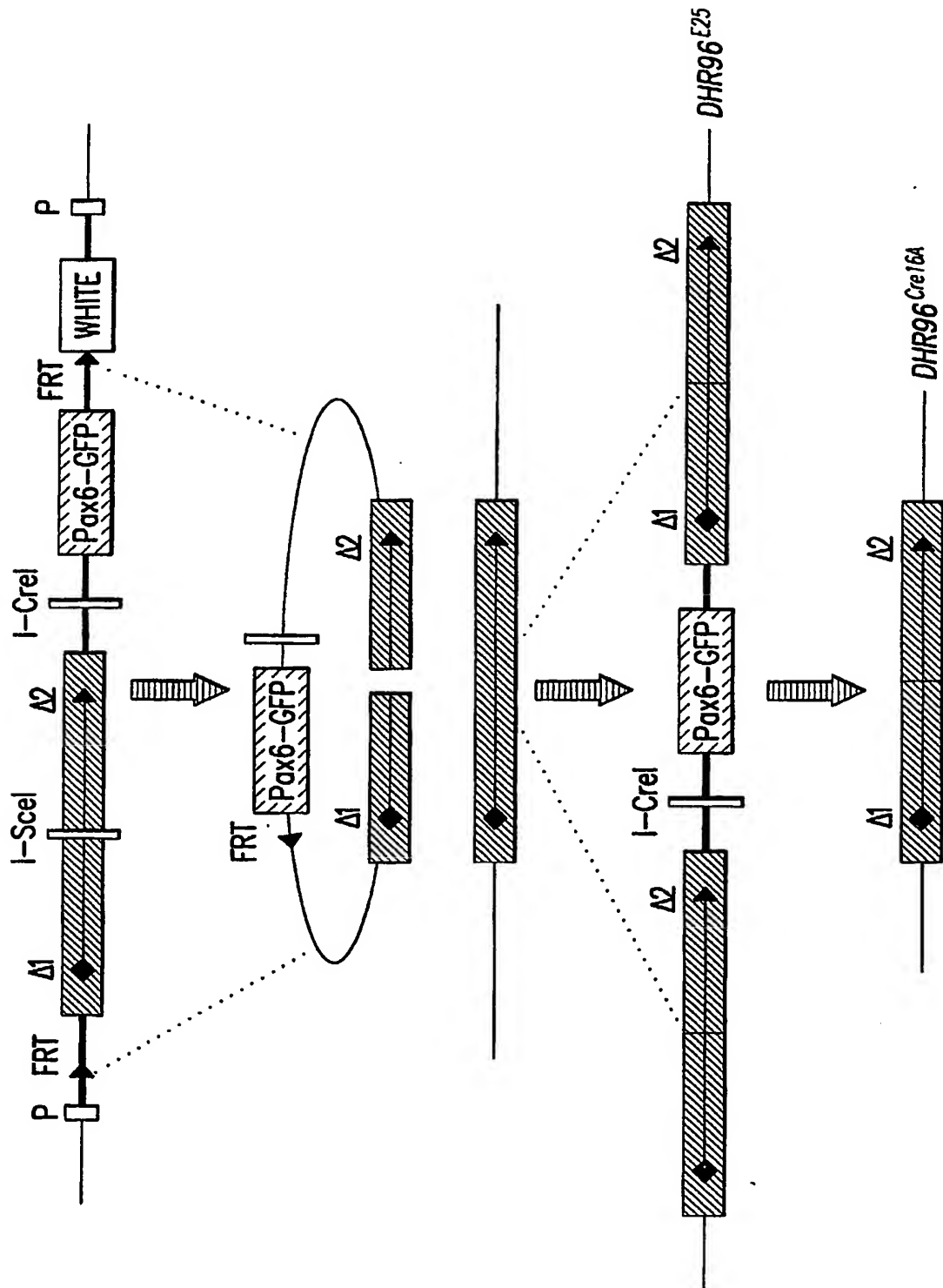


FIG. 3.

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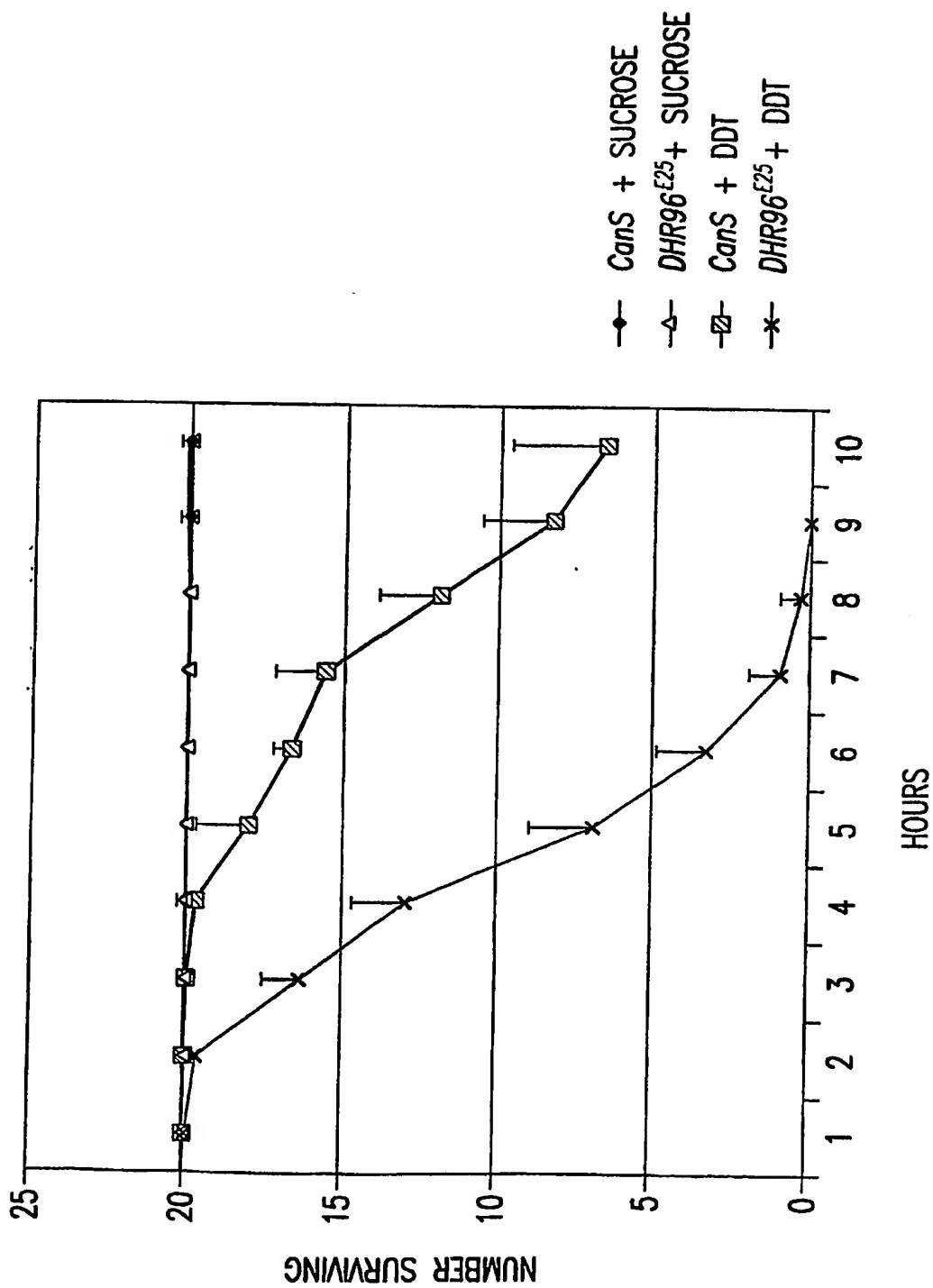


FIG.4

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FIG.5

	10	20	30	40	50	60	Identity
DHR38	CAVCGDTAACQHYGV	RTCEGCKGFFKRTVQK	SKVIVCLADKNCPVDKRRNR	RCQFGRFQKCLV	WGM		88%
NGFI-B	CAVCGDNASQHYGV	RTCEGCKGFFKRTVQK	SAKVIICLANKD	CPVDKRRNR	RCQFGRFQKCLV	WGM	88%
NAK1	CAVCGDNASQHYGV	RTCEGCKGFFKRTVQK	NAKVIICLANKD	CPVDKRRNR	RCQFGRFQKCLV	WGM	64%
TRXRα	CAICGDRSSGKHYGV	SCGCKGFFKRTVRK	DTLITCRDNKD	CLIDKRQRNR	CCQYCRYQKCLV	WGM	64%
Usp	CSICGDRASGKHYGV	SCGCKGFFKRTVRK	DLITACRENRC	IIIDKRQRNR	CCQYCRYQKCLV	WGM	61%
H7-F1	CPVCGDKVSGVHYG	LLTCEGCKGFFKRTVQ	NKKVITQV	ERSCHIDKTQR	KRCPYCRFQKCLV	WGM	59%
TRARα	CFVCGDKSSGVHYG	VSA	CEGCKGFFRRIQK	NMWVITQHRDK	NCIIINKVTRNR	CCQYCRLOKCFE	VGM

FIG. 6A

	10	20	30	40	50	60	Identity
HR78	CLVCGDRASGRHYG	AI	SCGCKGFFKRSIR	KQLGYQCRGAMN	CEVTKHHRNR	CCQF	CRLOKCLASGM
= TRZ	GVVCGDKASGRHYG	AVT	CEGCKGFFKRSIR	KNLVYSCRGSKD	GIINKHHRNR	CCQY	CRLOKCLAFGM
Usp	CSICGDRASGKHYG	VY	SCGCKGFFKRTVR	KDLITACRENRC	IIIDKRQRNR	CCQY	CRYQKCLVGM
α	CAICGDRSSGKHYG	VY	SCGCKGFFKRTVR	KDLITTCRDNKD	CLIDKRQRNR	CCQY	CRYQKCLVGM
COUP-TF	GVVCGDKSSGKHYG	QFT	CEGCKSFFKRSVR	RNLITTCRANRC	PIIDQHRN	CCQY	CRLOKCLVGM
ECR	CLVCGDRASGKHY	NAL	TCEGCKGFFR	RSVTKSAVY	CCGFRACE	MDMYMRK	CCQECRLKCLVGM
α	CFVCGDKSSGVHYG	VSS	CEGCKGFFR	RSIQK	NMWVITQHRDK	NCIIINKVTRNR	CCQYCRLOKCFE

FIG. 6B

	10	20	30	40	50	60	Identity
HR96	CAVCGDKALGYNFNAVT	CECKGFFRRNALAKKO	FTCPFNQNC	ITVTRRF	CCQKRLRKCL	DIGM	
HVDR	CGVCGDRATGFFHNAVT	CECKGFFRRSMKRKAL	FTCPFNGD	GRITKDNRRH	CCQACRLKRC	VDIGM	64%
ECR	CLVCGDRASGYHYNAL	CECKGFFRRSVTKSAV	YCKEGRAC	EMDMYRRKCC	CECREK	KCLAVGM	52%
ITZ-F1	CPVCGDKVSGYHYGLL	CECKGFFKRTVQNKV	YTCVAERS	CHIDKTQR	KCPYCR	FOKCLEVGM	49%
COUP-TF	CVCGDKSSGKHVGQF	CECKGFFKRSVRRNLT	YTCRANRN	CCPIQDHRN	CCQYCR	KKCLKVGM	49%
TRARα	CFVCDKSSGYHYGVSS	CECKGFFRRSIQKNMV	YTCRDKNG	CIINKVTRN	RCQYCR	LQKGFVGM	49%
IT3Rα	CVCGDKATGYHYRCI	CECKGFFRTIQKNLHPT	YSCKYDSC	GVIDKITRN	CCQCR	FFKGLAVGM	49%

FIG.6C

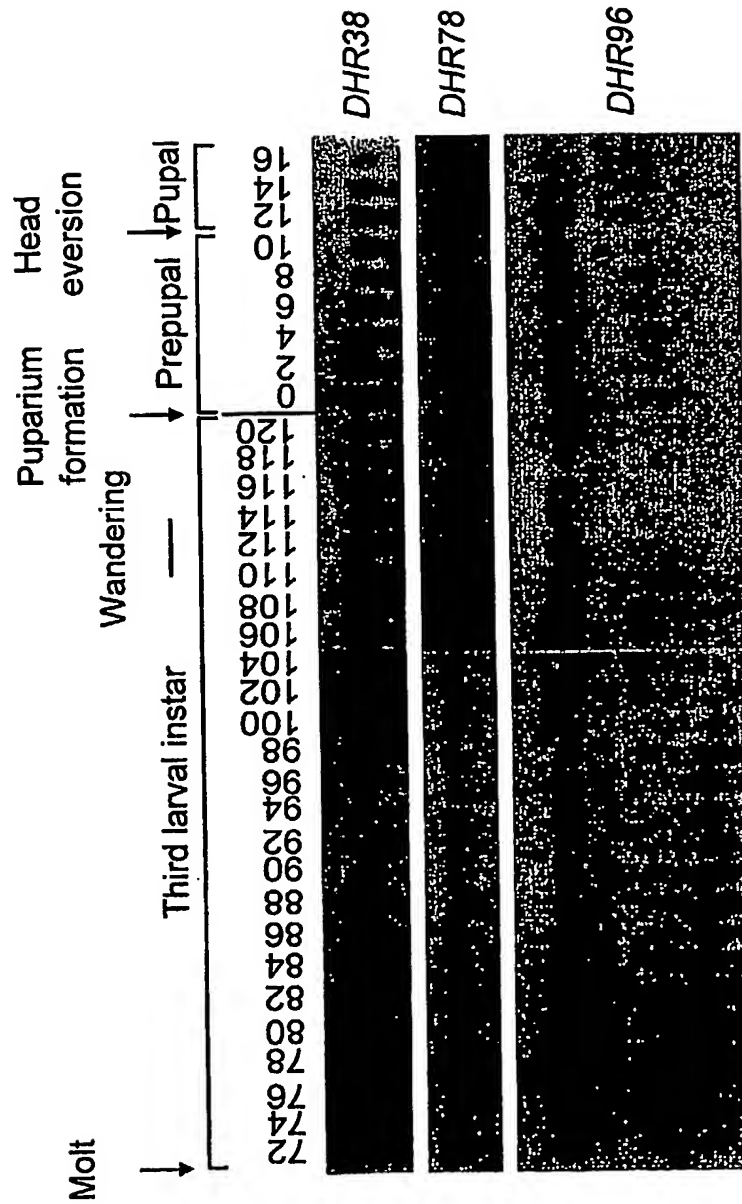


FIG. 7

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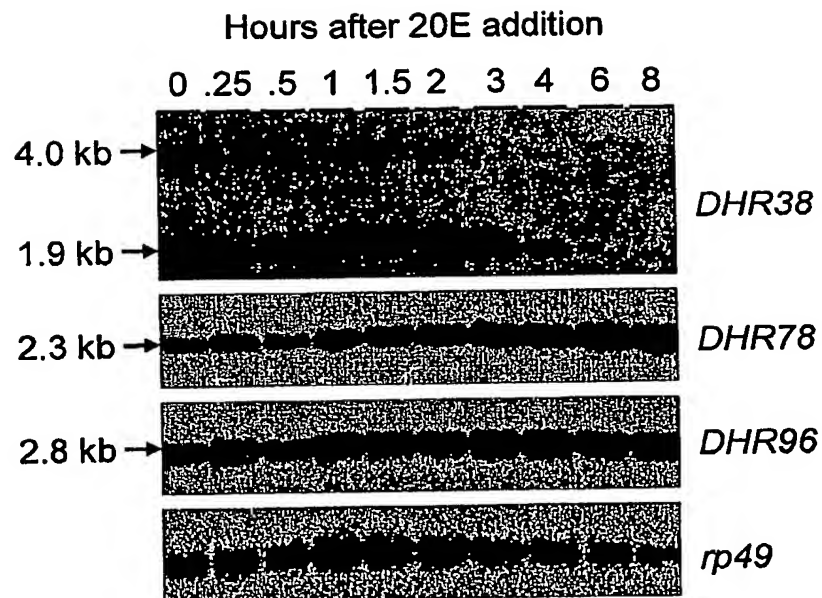


FIG.8

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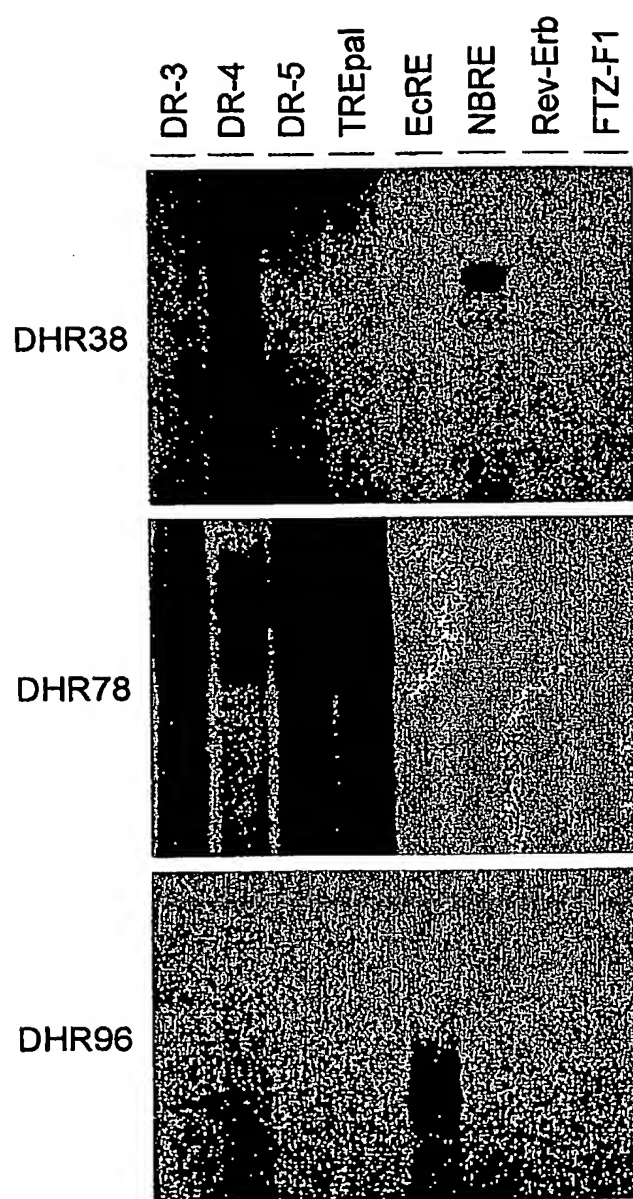


FIG.9

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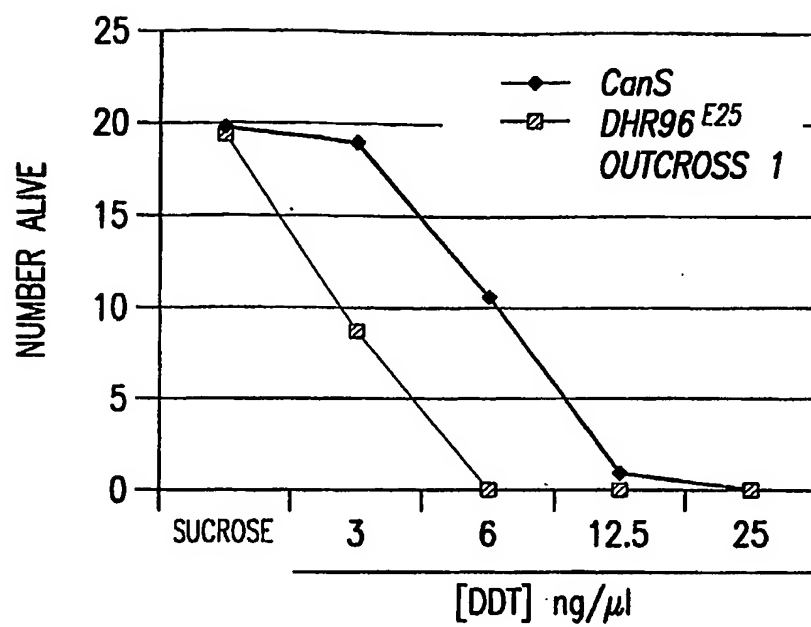
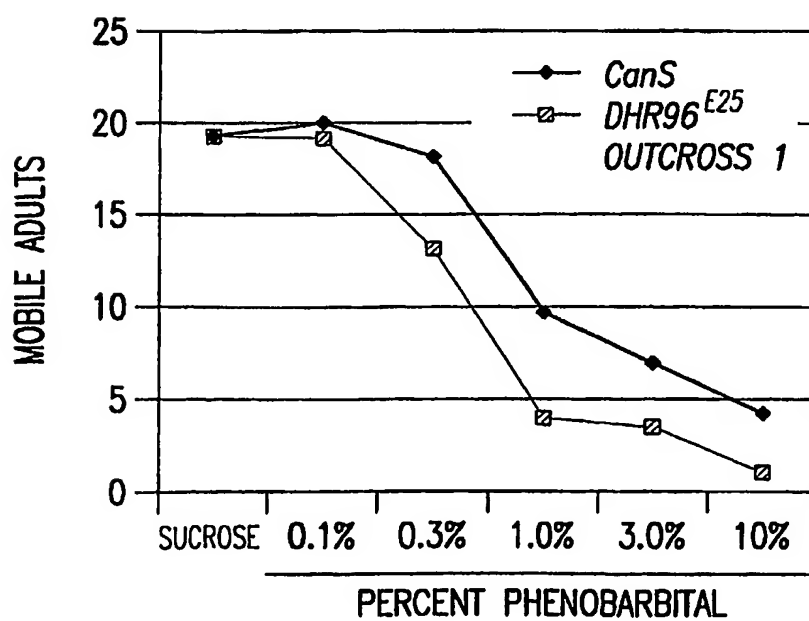


FIG. 10A

FIG. 10B
SUBSTITUTE SHEET (RULE 26)

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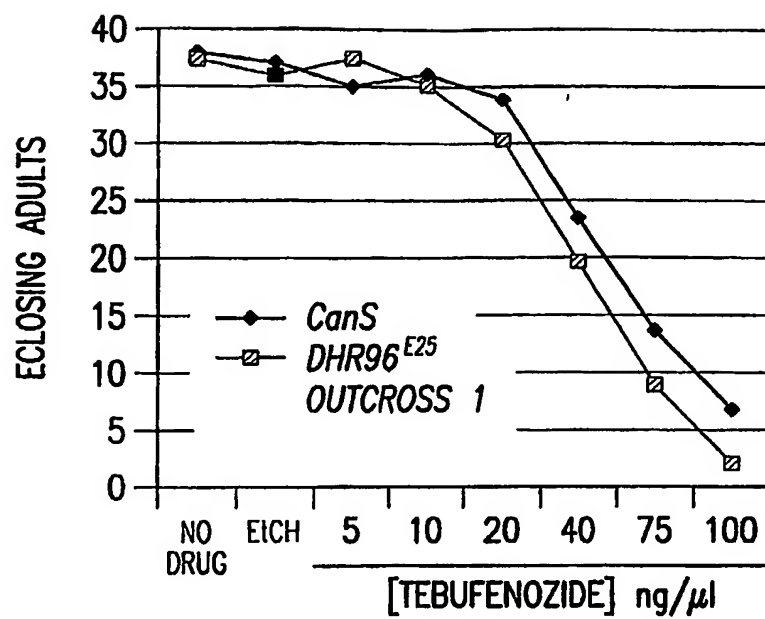


FIG.10C

description	WAPHS	96WPHS	fold change
3:FBgn0002564/sym=Lsp 1 gamma/name=Larval serum protein 1 gamma/prod=Larval serum protein 1 gamma-s	11164.31	340.12	-32.82
3:FBgn0002531/sym=Lcp1/name=Larval cuticle protein1/prod=Larval cuticle protein 1/func=structural protein c	3369.11	513.4	-6.56
3:FBgn0019643/sym=Dat/name=Dopamine N acetyltransferase/prod= arylalkylamine N-acetyltransferase/func=	8868.78	1353.56	-6.55
3:FBgn0033596/sym=CG7738/name=/prod=/func=/map=47E1-47E1/transc=CT23557/1er=405/GB:AE003:	4306.66	925.55	-4.65
3:FBgn0030484/sym=CG1681/name=/prod=glutathione transferase-like/func=enzyme/map=11F1-11F1/trans	946.93	221.04	-4.28
3:FBgn0040609/sym=CG3348/name=/prod=/func=map=97F6-97F6/transc=CT11231/1er=516/GB:AE003:	5850.94	1473.79	-3.97
3:FBgn0039778/sym=CG18030/name=/prod=trypsin-like/func=endopeptidase/map=99F8-99F8/1transc=CT4:	1379.59	363.05	-3.8
3:FBgn0034294/sym=CG5765/name=/prod=/func=/map=55B1-55B1/transc=CT18116/1er=1528/GB:AE00:	4602.49	1375.71	-3.35
3:FBgn0039296/sym=CG10420/name=/prod=/func=/map=96C3-96C3/transc=CT2244/1er=1794/GB:AE0	1271.55	405.9	-3.13
3:FBgn0002533/sym=Lcp2/name=Larval cuticle protein 2/prod=Larval cuticle protein 2/func=structural protein c	2050.81	723.13	-2.84
3:FBgn0015039/sym=Cyp9b2/name=Cytochrome P45-9b2/prod=Cytochrome P450 CYP9B2/func=cytochr	2526.49	947.68	-2.67
3:FBgn0033978/sym=Cyp6a23/name=/prod=Cytochrome P450, CYP6A23/func=Cytochrome P45/map=51C	647.32	243.36	-2.66
3:FBgn0033595/sym=CG18337/name=/prod/func=/map=47E1-47E1/transc=CT41641/1er=540 /GB:AE00:	538.81	202.16	-2.66
3:FBgn0036556/sym=CG 13026/name= /prod= /func=/map=73B5-73B5/transc=CT32244/1er=405/GB:AE00	2244.66	892.89	-2.51
3:FBgn0000153/sym=b/name=black/prod=glutamate decarboxylase 2/func=glutamate decarboxylase : EC:4.1	7070.57	2889.86	-2.45
3:FBgn0039798/sym=CG11313/name=/prod=monophenol monooxygenase activator-like func=endopeptidase	1080.32	451.23	-2.39
3:FBgn0032606/sym=CG17932/name=/prod=UDP-glucuronosyltransferase/func=enzyme/map=36A9-36A9A	1214.19	515	-2.36
3:FBgn0000594/sym=Est-P/name=Esterase P/prod=carboxylesterase/func=carboxylesterase: EC:3.1.1.1/map	475.26	205.79	-2.31
3:FBgn0039239/sym=CG13641/name=/prod=/func=/map=96B4-96B4/transc=CT33035/1er=429/GB:AE00:	1531.71	717.27	-2.14
3:FBgn0014849/sym=Eig71Ei/name=/prod=/func=/map=71E4-71E4/transc=CT22591/1er=3901GB:AE0035	1107.37	523.8	-2.11
3:FBgn0034341/sym=CG17531/name=GslE7/prod=glutathione transferase/func=enzyme /map=55C9-55C9/f	3476.77	1645.19	-2.11
3:FBgn0033830/sym=CG10814/name=/prod=/func=vitamin biosynthesis/map=50A6-50A6/transc=CT30312	363.72	174.9	-2.08

FIG.11A

3:FBgn0034010/sym=C63157/name=/prod=/func=/map=51F6-51F/func=CT21969/len=4071GBA:E0031	1622.11	787.24	-2.06
3:FBgn0003356/sym=Ser990a/name=Serine protease 1/prod=serine endopeptidase/func=serine carboxypept	15697.45	7724.85	-2.03
3:FBgn0001256/sym=implt/name=Ecdysoneinducible gene L1 /prod=ecdysone-inducible secreted membrane	1414.79	709.8	-1.99
3:FBgn0003046/sym=Pcp/name=Pupal cuticle protein/prod= /func=structural protein of pupal cuticle (Drosophi	2111.66	1080.62	-1.95
3:FBgn0003357 /sym=Ser990b /name=Serene protease 2 /prod=serine endopeptidase/func=serine-type endope	15454.1	1955.78	-1.94
3:FBgn0003659 /sym=C63701 /name= /prod=beta-glucosidase-like /func=ion channel /map=7385-7385 /transc	1162.58	598.76	-1.94
3:FBgn0033821 /sym=C610799/name=/prod=/func=/map=50A1-50A1/func=CT30256/len=591/GB:AE00:	822.24	425.81	-1.93
3:FBgn0036024/sym=C618180/name=/prod=/func=/map=67B10-67B10/func=CT41046/len=887/GB:AE	4368.44	2288.8	-1.91
3:FBgn0013307/sym=Odc 1 /name=Ornithine decarboxylase 1 /prod=ornithine decarboxylase func=ornithine dcr	1007.84	530.1	-1.9
3:FBgn0029898/sym=C614439/name=/prod=permease-like/func=transporter/map=6C11-6C11/func=CT3	2393.73	1275.57	-1.88
3:FBgn0031653/sym=C63871/name= /prod= /func=endopeptidase/map=2588-2588/func=CT25448/len=7	959.63	512.75	-1.87
3:FBgn0040565/sym=C67606/name= /prod=/func= /map=90B5-90B5/func=CT23217/len=321 IG8:AE003	8325.78	4504.75	-1.85
3:FBgn0031251 /sym=C64213/name=/prod= /func=motor/map=21C2-21C2/func=CT13888/len=3696/GB:	146.23	19.37	-1.84
3:FBgn0033197/sym=C617984/name=/prod=/func=/map=43E6-43E6/func=CT40154/len=1417/GB:AE0	1026.78	559.64	-1.83
3:FBgn0039777 /sym=C62229 /name= /prod=serine protease-like /func=endopeptidase /map=99F7-99F8/trans	9394.5	5150.37	-1.82
3:FBgn0032889 /sym=C63331 /name= /prod=glycerate dehydrogenase-like/func=enzyme/map=38E9-38E9/trans	3023.89	1676.12	-1.8

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FIG.11B

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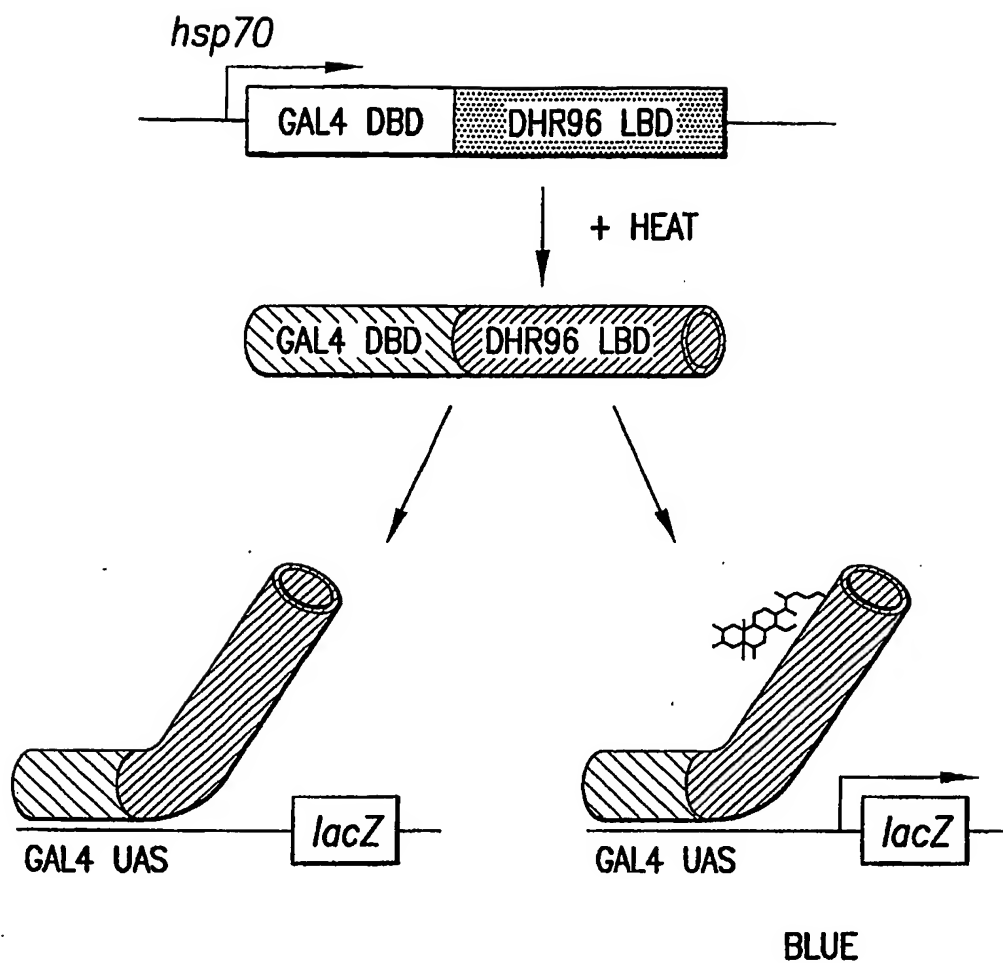


FIG.12

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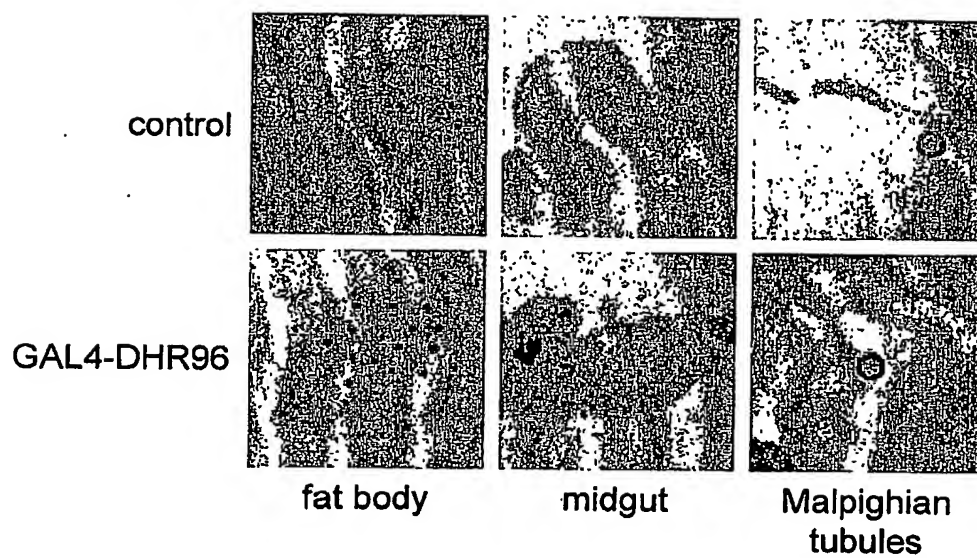


FIG.13